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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,946	09/29/2003	Ashish Varma	PA1436	8308
	7590 04/30/200 VASCULAR, INC.	EXAMINER		
IP LEGAL DEPARTMENT 3576 UNOCAL PLACE SANTA ROSA, CA 95403			JASTRZAB, KRISANNE MARIE	
			ART UNIT	PAPER NUMBER
	,		1744	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVERY MODE	
2 MONTUS		04/30/2007	FI FCTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 04/30/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

rs.vasciplegal@medtronic.com

<u> </u>					
·	Application No.	Applicant(s)			
Office Action Summary	10/671,946	VARMA ET AL.			
Office Action Summary	Examiner	Art Unit			
The MAILING DATE (ALL)	Krisanne Jastrzab	1744			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period wi - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	TE OF THIS COMMUNICA' 6(a). In no event, however, may a reply Il apply and will expire SIX (6) MONTHS	TION. be timely filed from the mailing date of this communication.			
Status	•				
 Responsive to communication(s) filed on 15 February 2007. This action is FINAL. 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 					
Disposition of Claims	*.				
4) Claim(s) 1-3,5-13 and 15-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-3, 5-13 and 15-24 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the d Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examiner 11.	pted or b) objected to by rawing(s) be held in abeyance. on is required if the drawing(s) i	See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date U.S. Patent and Trademark Office PTOL-326 (Rev. 08-06) Office Acti	Paper No(s)/M	mary (PTO-413) ail Date nal Patent Application Part of Paper No./Mail Date 20070424			

DETAILED ACTION

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-3, 5, 9-13, 15-17, 18-21 and 22-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over George U.S. patent No. 5,014,494 in view of Lee et al., U.S. publication 2003/0083616 A1.

George teaches a method of sterilizing a sensitive polymeric medical device wherein the device is packaged in a gas impermeable package, nitrogen is used to purge any oxygen from the package, and the package is irradiated with either electron beam or gamma radiation to sterilize the device. The package material is preferably a multilayer material with polymeric layers and an aluminum layer, the aluminum layer providing the greatest oxygen barrier. See column 1, lines 20-25 and column 2 lines 10-55.

Lee et al., teaches that it is known and expected that dilation catheter balloons are sensitive polymeric medical devices that benefit from radiation sterilization.

Radiation sterilization of the balloons is performed with the balloon packaged in a multilayer pouch formed from a polyester layer, aluminum foil layer and a polyethylene layer. The balloons themselves are recognized as being generally formed from polyether-block co-polyamides, nylons, and PET. Atmospheres within the pouch are inert by flush with a gas such as nitrogen to protect the device from deleterious oxidation. Radiation is applied at doses levels generally between 25 and 75 kGys. See

page 8, paragraphs 0097, 0098 and 0107, page 10, paragraphs 0128 and 0134, page 11, paragraphs 0138-0140, page 16, Examples 16 and 17, and page 17, Examples 18-

It would have been obvious to one of ordinary skill in the art to apply the method of George to the packaged balloon as taught in Lee et al, because it is recognized that such balloons benefit from radiation sterilization, and the control of the method of George would minimize any deleterious effects of that sterilization on the polymeric balloon.

With respect to claims 1 and 11, it would have been obvious to one of ordinary skill in the art to arrange the layers of the multilayer packaging in any configuration, absent any showing of unexpected results achieved thereby, as the prior art clearly teaches the efficacy of each of the claimed layer materials in sterilization packaging for use with polymeric articles and ionizing radiation sterilization.

Claims 1-3, 5-13 and 15-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ahlqvist et al., U.S. patent No. 5,881,534 in view of Lee et al., '616.

Ahlquvist et al., teach sterilization of sensitive polymeric medical devices by placing the device in a gas impermeable multilayer package preferably including an aluminum foil layer, purging oxygen from the package with an inert gas such as nitrogen and irradiating the packaged device with either electron beam or gamma radiation at claimed dose levels. The package includes an oxygen absorbent to ensure minimal levels of oxygen to prevent polymeric deterioration thereby. Ahlqvist et al., are silent as

to the specific application of the method to balloons. See the abstract, column 5, lines 10-45, column 6, lines 5 –55 and column 7, lines 33-35.

Lee et al., is applied as set forth above.

It would have been obvious to one of ordinary skill in the art to apply the method of Ahlqvist et al., to the packaged balloon as taught in Lee et al, because it is recognized that such balloons benefit from radiation sterilization, and the control of the method of Ahlqvist et al., would minimize any deleterious effects of that sterilization on the polymeric balloon.

With respect to claims 1 and 11, it would have been obvious to one of ordinary skill in the art to arrange the layers of the multilayer packaging in any configuration, absent any showing of unexpected results achieved thereby, as the prior art clearly teaches the efficacy of each of the claimed layer materials in sterilization packaging for use with polymeric articles and ionizing radiation sterilization.

Response to Arguments

Applicant's arguments filed 2/15/2007 have been fully considered but they are not persuasive. Applicant argues that none of the references applied teach the arrangement of the three layers of the pouch as now claimed in independent claims 1 and 11, however, the Examiner would maintain that the prior art clearly teaches the conventionality of the materials in each of the three layers and in the absence of any showing of unexpected results the arrangement of those layers is not found to be non-obvious.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krisanne Jastrzab whose telephone number is 571-272-1279. The examiner can normally be reached on Mon.-Thurs. 6:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gladys Corcoran can be reached on 571-272-1214. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Krisanne Jastrzab Primary Examiner Art Unit 1744

April 24, 2007